

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2004/001261

| A. CLASSIFICATION OF SUBJECT MATTER  |  |   |
|--|--|---|
| Int. Cl. <sup>7</sup> : G06T 7/60, G01N 21/41, 21/84, C12Q 1/02, G01B 11/28, G01J 9/00   |  |   |
| According to International Patent Classification (IPC) or to both national classification and IPC  |  |   |
| B. FIELDS SEARCHED   |  |   |
| Minimum documentation searched (classification system followed by classification symbols)  |  |   |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  |  |   |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>DWPI, PCT, USPTO (IPC: as above, cell, phase, area, confluency, boundary, border, in vitro, defocus, etc.)   |  |   |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT   |  |   |
| Category*  | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.   |
| X, P   | JP 2004-54347 A (FUJITSU LTD), 21 May 2004<br>the whole document   | 1-33  |
| X, P   | WO 2004/042392 A1 (FUJITSU LTD), 21 May 2004<br>the whole document   | 1-33  |
| A  | WO 00/26622 A1 (THE UNIVERSITY OF MELBOURNE), 11 May 2000<br>the whole document  | 1-33  |
| A  | WO 03/012407 A1 (IATIA IMAGING PTY LTD), 13 February 2003<br>the whole document  | 1-33  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex  |  |   |
| * Special categories of cited documents:<br>"A" document defining the general state of the art which is not considered to be of particular relevance<br>"B" earlier application or patent but published on or after the international filing date<br>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)<br>"O" document referring to an oral disclosure, use, exhibition or other means<br>"P" document published prior to the international filing date but later than the priority date claimed | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention<br>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone<br>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art<br>"&" document member of the same patent family |   |
| Date of the actual completion of the international search<br>3 November 2004   |  | Date of mailing of the international search report<br>10 NOV 2004               |
| Name and mailing address of the ISA/AU<br>AUSTRALIAN PATENT OFFICE<br>PO BOX 200, WODEN ACT 2606, AUSTRALIA<br>E-mail address: pct@ipaustalia.gov.au<br>Facsimile No. (02) 6285 3929   |  | Authorized officer<br><br>MATTHEW HOLLINGWORTH<br>Telephone No : (02) 6283 2024 |

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| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |  |                       |
|---|--|-----------------------|
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
| X, P  | C. L. Curl et al, <i>Quantitative Phase Microscopy: a New Tool for Measurement of Cell Culture Growth and Confluency in Situ</i> , July 2004<br>European Journal of Physiology, Vol. 448, No. 4, pp. 462-8.  | 1-33                  |
| O   | C. L. Curl et al, <i>Measurement of Area Changes in Human Airway Smooth Muscle Cells Using QPM</i><br><a href="http://www.iatia.com.au/technology/applicationNotes/measurementOfAreaChanges.pdf">http://www.iatia.com.au/technology/applicationNotes/measurementOfAreaChanges.pdf</a><br>(section entitled "Acknowledgements") | 1-33                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001261

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in<br>Search Report   |            |                           | Patent Family Member       |            |  |  |
|---|------------|---------------------------|----------------------------|------------|--|--|
| JP  | 2004054347 | NONE                      |                            |            |  |  |
| WO  | 2004042392 | NONE                      |                            |            |  |  |
| WO  | 0026622    | AU 15005/00<br>EP 1127252 | BR 9914976<br>ZA 200103169 | CA 2348912 |  |  |
| WO  | 03012407   | NONE                      |                            |            |  |  |
| Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. |            |                           |                            |            |  |  |
| END OF ANNEX  |            |                           |                            |            |  |  |